

ABSTRACT OF THE INVENTION

A development environment for supply chain management decision support systems. A framework is provided for the automatic generation of a supply chain model based upon input data concerning product demand and the parts and products that flow through activity centers such as factories, hubs, depots and the like. Parts source nodes, internal demand nodes, and terminal demand nodes are interconnected using an interactive symbolic visual interface that provides for the interconnection of nodes representing the activity centers to create a supply network scenario within the model. The supply network scenario may include more than one supply chain with each product having a unique supply chain. For each scenario, the statistical characteristics of part and product flow through the supply chain nodes is calculated within the model.